Electronic Version
Stylesheet Version v1.1.1

Claims

[c0001] 1. A web-based method for generating an image of moving and static objects in positional relationship to other objects, comprising:
for each layer of a plurality of layers
getting at least one object from a data provider;
rendering an image using the at least one object; and
coordinating the rendered images to form a final image;
wherein each layer of the plurality of layers is independent of each other.

[c0002] 2. The method of claim 1, wherein the moving objects includes aircraft, emergency vehicles, accident locations and law enforcement vehicles.

[c0003] 3. The method of claim 1, wherein the plurality of layers includes an aircraft layer, a weather layer, emergency data layer, and a map layer.

[c0004] 4. The method of claim 1, wherein each layer of the plurality of layers is associated with a separate data provider.

[c0005] 5. The method of claim 1, further comprising:
calculating a boundary for a base layer of the plurality of

layers, the base layer including a map layer; and wherein the getting for each of the other plurality of layers gets objects within the boundary.

[c0006] 6. The method of claim 1, wherein the getting is subject to permissions of a user.

[c0007] 7. The method of claim 6, wherein the permissions include security permissions, license permissions, and local permissions.

[c0008] 8. The method of claim 1, further comprising displaying the final image.

[c0009] 9. The method of claim 1, wherein each of the layers independently refreshes itself.

[c0010] 10. The method of claim 9, wherein the refreshing of one layer does not influence other layers.

[c0011] 11. The method of claim 1, wherein each of the layers can be independently turned on or off.

[c0012] 12. The method of claim 1, wherein each of the layers determines if it needs to be redrawn.

[c0013] 13. The method of claim 1, wherein the rendering can be performed on both a client and on a server.

[c0014] 14. The method of claim 1, wherein one of the plurality

of layers includes an emergency data layer.

[c0015] 15. The method of claim 1, wherein each object has a tag associated with the object.

[c0016] 16. The method of claim 15, wherein the tag includes emergency data.

[c0017] 17. A web-based system for generating an image of moving and static objects in positional relationship to other objects, comprising:
for each layer of a plurality of layers
means for getting at least one object from a data provider;
means for rendering an image using the at least one object; and
means for coordinating the rendered images to form a final image;
wherein each layer of the plurality of layers is independent of each other.

[c0018] 18. A computer-readable medium having stored thereon instructions to cause a computer to execute a web-based method for generating an image of moving and static objects in positional relationship to other objects, the method comprising:
for each layer of a plurality of layers

getting at least one object from a data provider;
rendering an image using the at least one object; and
coordinating the rendered images to form a final image;
wherein each layer of the plurality of layers is independent of each other.

[c0019] 19. A web-based system for generating an image of moving and static objects in positional relationship to other objects, comprising:
a plurality of layers, each layer capable of
getting at least one object from a data provider;
rendering an image using the at least one object; and
a layers manager, communicatively coupled to each of the plurality of layers, capable of coordinating the rendered images to form a final image;
wherein each layer of the plurality of layers is independent of each other.

[c0020] 20. The system of claim 19, wherein the moving objects include aircraft, law enforcement vehicles, emergency locations and emergency vehicles.

[c0021] 21. The system of claim 19, wherein the plurality of layers includes an aircraft layer, a weather layer, an emergency data layer and a map layer.

[c0022] 22. The system of claim 19, wherein each layer of the

plurality of layers is associated with a separate data provider.

[c0023] 23. The system of claim 19, wherein the layers manager is further capable of calculating a boundary for a base layer of the plurality of layers, the base layer including a map layer; and wherein the each of the plurality of layers gets objects within the boundary.

[c0024] 24. The system of claim 19, wherein the layers get objects subject to permissions of a user.

[c0025] 25. The system of claim 24, wherein the permissions include security permissions, license permissions, and local permissions.

[c0026] 26. The system of claim 19, further comprising a client, communicatively coupled to the layers manager, capable of displaying the final image.

[c0027] 27. The system of claim 19, wherein each of the layers independently refreshes itself.

[c0028] 28. The system of claim 28, wherein the refreshing of one layer does not influence other layers.

[c0029] 29. The system of claim 19, wherein each of the layers can be independently turned on or off.

[c0030] 30. The system of claim 19, wherein each of the layers determines if it needs to be redrawn.

[c0031] 31. The system of claim 19, wherein the layers manager can reside on both a client and on a server.

[c0032] 32. The system of claim 19, wherein one of the plurality of layers includes an emergency data layer.

[c0033] 33. The system of claim 19, wherein each object has a tag associated with the object.

[c0034] 34. The system of claim 33, wherein the tag includes emergency data.